SECTION 1: Identification of the substance/mixture and of the company/ undertaking

1.1 Product identifier

· Trade name: illbruck AB010

· MSDS code: B-I-AB010

1.2 Relevant identified uses of the substance or mixture and uses advised against

Only for trade users / technical specialists

· Application of the substance / the mixture Primer / Subcoating

1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:
treemco illbruck Produktion GmbH
Werner-Haepp-Straße 1, D - 92439 Bodenwöhr
T: +49 (0) 9434 2080, F: +49 (0) 9434 208230
msds@tremco-illbruck.com

· Further information obtainable from:
treemco illbruck Ltd
Coupland Road, Hindley Green, Wigan, WN2 4HT
T: +44 (0) 1942251400, F: +44 (0) 1942251410
www.tremco-illbruck.co.uk, uk.info@tremco-illbruck.com

1.4 Emergency telephone number:
During office hours tel.: +44 (0) 1942251400. At all other times please contact your national poisoning centre.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
STOT RE 2 H373 May cause damage to the nervous system and the sensory organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.
Aquatic Acute 1 H400 Very toxic to aquatic life.
Aquatic Chronic 1 H410 Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.

· Hazard pictograms

GHS02 GHS07 GHS08 GHS09

· Signal word Danger

(Contd. on page 2)
Safety data sheet
according to 1907/2006/EC, Article 31
Printing date 03.07.2018 Version number 1 Revision: 03.07.2018

Trade name: illbruck AB010

Contains:
cyclohexane
xylene (mix)
ethylbenzene
ethyl acetate

Hazard statements
H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness.
H373 May cause damage to the nervous system and the sensory organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe vapours.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331 Do NOT induce vomiting.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental information:
EUH208 Contains 4,4’-Isopropylidenediphenol-epichlorohydrin polymer (MW unknown or ≤700). May produce an allergic reaction.
Restricted to professional users.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Mixtures
Description: Mixture of substances listed below with non-hazardous additions.

Dangerous components:

<table>
<thead>
<tr>
<th>CAS:</th>
<th>EINECS:</th>
<th>Reg.nr.:</th>
<th>Hazards and Properties</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-82-7</td>
<td>203-806-2</td>
<td>01-2119463273-41-xxxx</td>
<td>cyclohexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; STOT SE 3, H336</td>
<td>30-&lt;50%</td>
</tr>
<tr>
<td>1330-20-7</td>
<td>215-535-7</td>
<td>01-2119488216-32-xxxx</td>
<td>xylene (mix) Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412</td>
<td>20-&lt;30%</td>
</tr>
</tbody>
</table>
### Trade name: illbruck AB010

<table>
<thead>
<tr>
<th>CAS</th>
<th>EINECS</th>
<th>Chemical Name</th>
<th>Notable Properties</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-41-4</td>
<td>202-849-4</td>
<td>ethylbenzene</td>
<td>Flam.: Liq. 2, H225; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H332</td>
<td>5-&lt;10%</td>
</tr>
<tr>
<td>64-17-5</td>
<td>200-578-6</td>
<td>ethanol</td>
<td>Flam.: Liq. 2, H225; Eye Irrit. 2, H319</td>
<td>5-&lt;10%</td>
</tr>
<tr>
<td>141-78-6</td>
<td>205-500-4</td>
<td>ethyl acetate</td>
<td>Flam.: Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336</td>
<td>1-&lt;5%</td>
</tr>
<tr>
<td>67-56-1</td>
<td>200-659-6</td>
<td>methanol</td>
<td>Flam.: Liq. 2, H225; Acute Tox. 3, H301; Acute Tox. 3, H311; Acute Tox. 3, H331; STOT SE 1, H370</td>
<td>0.1-&lt;1%</td>
</tr>
<tr>
<td>108-88-3</td>
<td>203-625-9</td>
<td>toluene</td>
<td>Flam.: Liq. 2, H225; Rep.: 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H336; Aquatic Chronic 3, H412</td>
<td>0.1-&lt;1%</td>
</tr>
<tr>
<td>25068-38-6</td>
<td>500-033-5</td>
<td>4,4’-Isopropylidenediphenol-epichlorohydrin polymer (MW unknown or ≤700)</td>
<td>Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317</td>
<td>0.1-&lt;1%</td>
</tr>
</tbody>
</table>

**SVHC**

**Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

**General information:**
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Take affected persons out of danger area and lay down.
Immediately remove any clothing soiled by the product.

**After inhalation:**
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.

**After skin contact:**
Immediately remove all soiled and contaminated clothing
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.

**After eye contact:**
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Seek immediate medical advice.

**After swallowing:** Do not induce vomiting; call for medical help immediately.

#### 4.2 Most important symptoms and effects, both acute and delayed

Irritating to eyes, respiratory system and skin.
May be fatal if swallowed and enters airways.
Vapours may cause drowsiness and dizziness.
Causes damage to organs through prolonged or repeated exposure.
Trade name: illbruck AB010

(Contd. of page 3)

Nausea
Headache

· **Information for doctor:** No further relevant information available.
· **Hazard** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
  No further relevant information available.

**SECTION 5: Firefighting measures**

· **5.1 Extinguishing media**
  · **Suitable extinguishing agents:**
    Use fire extinguishing methods suitable to surrounding conditions.
    CO2, sand, extinguishing powder. Do not use water.
  · **For safety reasons unsuitable extinguishing agents:** Water with full jet

· **5.2 Special hazards arising from the substance or mixture**
  Danger of bursting.
  Formation of toxic gases is possible during heating or in case of fire.
  Aldehyde
  Formaldehyde
  Carbon monoxide (CO)
  Carbon dioxide (CO2)
  Hydrogen chloride (HCl)

· **5.3 Advice for firefighters**
  · **Protective equipment:**
    Mouth respiratory protective device.
    Wear self-contained respiratory protective device.
  · **Additional information**
    Collect contaminated fire fighting water separately. It must not enter the sewage system.
    Cool endangered receptacles with water spray.

**SECTION 6: Accidental release measures**

· **6.1 Personal precautions, protective equipment and emergency procedures**
  Wear protective equipment. Keep unprotected persons away.
  Ensure adequate ventilation.
  Keep away from ignition sources.
  Keep people at a distance and stay on the windward side.

· **6.2 Environmental precautions:**
  Do not allow to enter sewers/ surface or ground water.
  Inform respective authorities in case of seepage into water course or sewage system.

· **6.3 Methods and material for containment and cleaning up:**
  Use explosion-proof apparatus / fittings and spark-proof tools.
  Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  Dispose of contaminated material as waste according to Section 13.
  Ensure adequate ventilation.
  Do not flush with water or aqueous cleansing agents

· **6.4 Reference to other sections**
  See Section 7 for information on safe handling.
  See Section 8 for information on personal protection equipment.

(Contd. on page 5)
SECTION 7: Handling and storage
· 7.1 Precautions for safe handling
  Do not handle until all safety precautions have been read and understood.
  Ensure good ventilation/exhaustion at the workplace.
  Do not eat, drink, smoke or sniff while working.
  Do not breathe vapour.
  The usual precautionary measures are to be adhered to when handling chemicals.
  Wear suitable protective clothing and gloves.
  Ensure that washing facilities are available at the workplace.
· Information about fire - and explosion protection:
  Highly flammable liquid and vapour.
  Use explosion-proof apparatus / fittings and spark-proof tools.
  Keep ignition sources away - Do not smoke.
  Protect against electrostatic charges.
  Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
· 7.2 Conditions for safe storage, including any incompatibilities
  · Storage:
    · Requirements to be met by storerooms and receptacles:
      Store in a cool location.
      Store only in unopened original receptacles.
    · Information about storage in one common storage facility:
      Do not store together with oxidising and acidic materials.
    · Further information about storage conditions:
      Keep container tightly sealed.
      Store in cool, dry conditions in well sealed receptacles.
      Protect from heat and direct sunlight.
· 7.3 Specific end use(s) Restricted to professional users.

SECTION 8: Exposure controls/personal protection
· 8.1 Control parameters
· Ingredients with limit values that require monitoring at the workplace:
  |
  | CAS: 110-82-7 cyclohexane |
  | WEL | Short-term value: 1050 mg/m³, 300 ppm |
  |     | Long-term value: 350 mg/m³, 100 ppm |
  |
  | CAS: 1330-20-7 xylene (mix) |
  | WEL | Short-term value: 441 mg/m³, 100 ppm |
  |     | Long-term value: 220 mg/m³, 50 ppm |
  | Sk | BMGV |
  |
  | CAS: 100-41-4 ethylbenzene |
  | WEL | Short-term value: 552 mg/m³, 125 ppm |
  |     | Long-term value: 441 mg/m³, 100 ppm |
  | Sk |
Trade name: illbruck AB010

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
<th>WEL (Short-term value)</th>
<th>BMGV (Long-term value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>64-17-5</td>
<td>ethanol</td>
<td>1500 mg/m³, 400 ppm</td>
<td>266 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>141-78-6</td>
<td>ethyl acetate</td>
<td>333 mg/m³, 250 ppm</td>
<td>266 mg/m³, 200 ppm</td>
</tr>
<tr>
<td>67-56-1</td>
<td>methanol</td>
<td>384 mg/m³, 100 ppm</td>
<td>191 mg/m³, 50 ppm</td>
</tr>
<tr>
<td>108-88-3</td>
<td>toluene</td>
<td>470 mg/m³, 100 ppm</td>
<td>266 mg/m³, 200 ppm</td>
</tr>
</tbody>
</table>

- **Ingredients with biological limit values:**

<table>
<thead>
<tr>
<th>CAS</th>
<th>Description</th>
<th>BMGV (Long-term value)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1330-20-7</td>
<td>xylene (mix)</td>
<td>650 mmol/mol creatinine</td>
</tr>
</tbody>
</table>

- **Additional information:**
  - The lists valid during the making were used as basis.
  - HSE EH40/2005 Workplace Exposure Limits (as amended)

- **8.2 Exposure controls**
  - **Personal protective equipment:**
    - **General protective and hygienic measures:**
      - The usual precautionary measures are to be adhered to when handling chemicals.
      - Keep away from foodstuffs, beverages and feed.
      - Immediately remove all soiled and contaminated clothing.
      - Wash hands before breaks and at the end of work.
      - Avoid contact with the eyes and skin.
      - Do not eat, drink, smoke or sniff while working.
    - **Respiratory protection:**
      - Ensure good ventilation/exhaustion at the workplace.
      - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
  - **Recommendation:**
    - Filter A/P
    - EN 136
    - EN 140
  - For further guidance, please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

- **Protection of hands:**
  - Protective gloves

(Contd. on page 7)
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**
  - Rubber gloves
  - EN 374

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**
  - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**
  - Tightly sealed goggles
  - EN 166

- **Body protection:**
  - Protective work clothing

---

**SECTION 9: Physical and chemical properties**

- **9.1 Information on basic physical and chemical properties**
  - **General Information**
  - **Appearance:**
    - Form: Liquid
    - Colour: Amber coloured
    - Odour: Solvent-like
  - **pH-value:** Not applicable.
  - **Melting point/freezing point:** Undetermined.
  - **Initial boiling point and boiling range:** 77 °C
  - **Flash point:** -17 °C
  - **Explosive properties:**
    - Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
  - **Explosion limits:**
    - Lower: 1 Vol %
    - Upper: 11 Vol %
  - **Vapour pressure at 20 °C:** 91 hPa
  - **Density at 20 °C:** 0.82 g/cm³
· Solubility in / Miscibility with water: Notmiscible / difficult to mix.
· Viscosity:
  Dynamic at 20 °C: 30-40 mPas
· Solvent content:
  Organic solvents: 95.3 - 97 %
  VOC (EU) 787 - 802 g/l
  VOC (EC) 95.3 - 97 %
· Solids content: 6.0 %
· 9.2 Other information
  No further relevant information available.

SECTION 10: Stability and reactivity
· 10.1 Reactivity Stable
· 10.2 Chemical stability
  · Thermal decomposition / conditions to be avoided:
    No decomposition if used according to specifications.
  · 10.3 Possibility of hazardous reactions
    Danger of receptacles bursting because of high vapo ur pressure when heated.
· 10.4 Conditions to avoid
  Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
· 10.5 Incompatible materials:
  Reacts with acids.
  Reacts with oxidising agents.
· 10.6 Hazardous decomposition products:
  Aldehyde
  Formaldehyde
  Carbon monoxide
  Carbon dioxide
  Hydrogen chloride (HCl)

SECTION 11: Toxicological information
· 11.1 Information on toxicological effects
  · Acute toxicity Based on available data, the classification criteria are not met.
· LD/LC50 values relevant for classification:

<table>
<thead>
<tr>
<th>CAS: 110-82-7 cyclohexane</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50 12,705 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50 &gt;2,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50/4 h 14 mg/L (rat)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 1330-20-7 xylene (mix)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>LD50 3,523 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal</td>
<td>LD50 &gt;5,000 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Inhalative</td>
<td>LC50/4 h 27.124 mg/L (rat)</td>
</tr>
</tbody>
</table>
Trade name: illbruck AB010

<table>
<thead>
<tr>
<th>CAS: 100-41-4 ethylbenzene</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>3,500 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>17,800 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 64-17-5 ethanol</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>7,060 mg/kg (rat)</td>
</tr>
<tr>
<td>Inhalative LC50/4 h</td>
<td>20,000 mg/L (rat)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 141-78-6 ethyl acetate</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>5,620 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Inhalative LC0/4 h</td>
<td>8,000 ppm (rat)</td>
</tr>
<tr>
<td>Inhalative LC50/4 h</td>
<td>70.56 mg/L (rat)</td>
</tr>
<tr>
<td></td>
<td>1,600 mg/L (rat)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 67-56-1 methanol</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>5,628 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>15,800 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 108-88-3 toluene</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>5,000 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>12,124 mg/kg (rabbit)</td>
</tr>
<tr>
<td>Inhalative LC50/4 h</td>
<td>5,320 mg/L (mouse)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CAS: 25068-38-6 4,4'-Isopropylidenediphenol-epichlorohydrin polymer (MW unknown or ≤700)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral LD50</td>
<td>11,400 mg/kg (rat)</td>
</tr>
<tr>
<td>Dermal LD50</td>
<td>&gt;2,000 mg/kg (rabbit)</td>
</tr>
</tbody>
</table>

### Toxicological Properties

- **Primary irritant effect:**
  - Skin corrosion/irritation
    Repeated exposure may cause skin dryness or cracking.
    Causes skin irritation.
  - Serious eye damage/irritation
    Causes serious eye irritation.
  - Respiratory or skin sensitisation
    May cause allergic skin disorders in sensitive individuals.

### Additional Toxicological Information:

- CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)
  - Germ cell mutagenicity CAS 67-56-1
  - Carcinogenicity
    - CAS 64-17-5
    - CAS 100-41-4 (IARC 2B)
  - Reproductive toxicity CAS 108-88-3
  - STOT-single exposure
    May cause respiratory irritation. May cause drowsiness or dizziness.
SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:
  Very toxic to aquatic life with long lasting effects.

  CAS: 110-82-7 cyclohexane

  | LC50/48 h | 5 mg/L (fish) |
  |           | 55 mg/L (leuciscus idus) |
  | EC50      | 135 mg/L (daphnia magna) |
  | EC50/72 h | >500 mg/L (desmodesmus subspicatus) |

  CAS: 1330-20-7 xylene (mix)

  | LC50/96 h | 4.2 mg/L (rainbow trout) |
  | EC50/48 h | 2.93-4.4 mg/L (daphnia magna) |

· 12.2 Persistence and degradability  No further relevant information available.

· 12.3 Bioaccumulative potential  No further relevant information available.

· 12.4 Mobility in soil  No further relevant information available.

· Ecotoxicological effects:

  CAS: 1330-20-7 xylene (mix)

  | IC50/72 h | 2.2 mg/L (algae) |

· Remark:
  The product is highly volatile.
  Very toxic for fish

· Additional ecological information:
  · General notes:
    Very toxic for aquatic organisms
    Do not allow product to reach ground water, water course or sewage system.

· 12.5 Results of PBT and vPvB assessment

  · PBT: Not applicable.
  · vPvB: Not applicable.

· 12.6 Other adverse effects  No further relevant information available.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation
  Disposal must be made according to official regulations.
  Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· European waste catalogue
  07 01 04* other organic solvents, washing liquids and mother liquors
Trade name: illbruck AB010

<table>
<thead>
<tr>
<th>14 06 03*</th>
<th>other solvents and solvent mixtures</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP 3</td>
<td>Flammable</td>
</tr>
<tr>
<td>HP 4</td>
<td>Irritant - skin irritation and eye damage</td>
</tr>
<tr>
<td>HP 5</td>
<td>Specific Target Organ Toxicity (STOT)/Aspiration Toxicity</td>
</tr>
<tr>
<td>HP 6</td>
<td>Acute Toxicity</td>
</tr>
<tr>
<td>HP 14</td>
<td>Ecotoxic</td>
</tr>
</tbody>
</table>

· Uncleaned packaging:
· Recommendation:
Dispose of packaging according to regulations on the disposal of packagings. Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

SECTION 14: Transport information

· 14.1 UN-Number
· ADR, IMDG, IATA
UN1993

· 14.2 UN proper shipping name
· ADR
1993 FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, XYLENES), ENVIRONMENTALLY HAZARDOUS
· IMDG
FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, XYLENES), MARINE POLLUTANT
· IATA
FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, XYLENES)

· 14.3 Transport hazard class(es)
· ADR

- Class
  3 (F1) Flammable liquids.
- Label
  3
· IMDG

- Class
  3 Flammable liquids.
- Label
  3
Trade name: illbruck AB010

(Contd. of page 11)

- **IATA**
  - Class: 3 Flammable liquids.
  - Label: 3

- **14.4 Packing group**
  - ADR, IMDG, IATA: II

- **14.5 Environmental hazards:**
  - Product contains environmentally hazardous substances: cyclohexane
  - Marine pollutant: Symbol (fish and tree)
  - Special marking (ADR): Symbol (fish and tree)

- **14.6 Special precautions for user**
  - Warning: Flammable liquids.
  - Danger code (Kemler): 33
  - EMS Number: F-E,S-E
  - Stowage Category: B

- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**
  - Not applicable.

- **Transport/Additional information:**
  - **ADR**
    - Limited quantities (LQ): 1L
    - Excepted quantities (EQ): Code: E2
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 500 ml
    - Transport category: 2
    - Tunnel restriction code: D/E

  - **IMDG**
    - Limited quantities (LQ): 1L
    - Excepted quantities (EQ): Code: E2
    - Maximum net quantity per inner packaging: 30 ml
    - Maximum net quantity per outer packaging: 500 ml

  - **UN "Model Regulation":**
    - UN 1993 FLAMMABLE LIQUID, N.O.S. (CYCLOHEXANE, XYLENES), 3, II, ENVIRONMENTALLY HAZARDOUS

**SECTION 15: Regulatory information**

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
  - HSE EH40/2005 Workplace Exposure Limits (as amended)

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2001/118/EC as regards the list of wastes
2008/98/EC on waste

- Directive 2012/18/EU
- Named dangerous substances - ANNEX I None of the ingredients is listed.
- Seveso category
  E1 Hazardous to the Aquatic Environment
  P5c FLAMMABLE LIQUIDS
- Qualifying quantity (tonnes) for the application of lower-tier requirements 100 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 200 t
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 40

National regulations:
- Information about limitation of use:
  Employment restrictions concerning juveniles must be observed.
  Employment restrictions concerning pregnant and lactating women must be observed.

Other regulations, limitations and prohibitive regulations
- Substances of very high concern (SVHC) according to REACH, Article 57 Not applicable.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information
This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Relevant phrases
  H225 Highly flammable liquid and vapour.
  H226 Flammable liquid and vapour.
  H301 Toxic if swallowed.
  H304 May be fatal if swallowed and enters airways.
  H311 Toxic in contact with skin.
  H312 Harmful in contact with skin.
  H315 Causes skin irritation.
  H317 May cause an allergic skin reaction.
  H319 Causes serious eye irritation.
  H331 Toxic if inhaled.
  H332 Harmful if inhaled.
  H335 May cause respiratory irritation.
  H336 May cause drowsiness or dizziness.
  H361d Suspected of damaging the unborn child.
  H370 Causes damage to organs.
  H373 May cause damage to the nervous system and the sensory organs through prolonged or repeated exposure.
  H400 Very toxic to aquatic life.
  H410 Very toxic to aquatic life with long lasting effects.
  H411 Toxic to aquatic life with long lasting effects.
  H412 Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  IMDG: International Maritime Code for Dangerous Goods

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<th>Acronyms</th>
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<tr>
<td>IATA</td>
<td>International Air Transport Association</td>
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<tr>
<td>GHS</td>
<td>Globally Harmonised System of Classification and Labelling of Chemicals</td>
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<tr>
<td>EINECS</td>
<td>European Inventory of Existing Commercial Chemical Substances</td>
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<td>ELINCS</td>
<td>European List of Notified Chemical Substances</td>
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<td>CAS</td>
<td>Chemical Abstracts Service (division of the American Chemical Society)</td>
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<tr>
<td>VOC</td>
<td>Volatile Organic Compounds (USA, EU)</td>
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<tr>
<td>LC50</td>
<td>Lethal concentration, 50 percent</td>
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<tr>
<td>LD50</td>
<td>Lethal dose, 50 percent</td>
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<tr>
<td>PBT</td>
<td>Persistent, Bioaccumulative and Toxic</td>
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<tr>
<td>SVHC</td>
<td>Substances of Very High Concern</td>
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<tr>
<td>vPvB</td>
<td>very Persistent and very Bioaccumulative</td>
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<td>Hazardous to the aquatic environment - long-term aquatic hazard – Category 3</td>
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